

MACHINE LEARNING GROUP MEETING - MAY 2017

Introduction to Machine Learning in HEP

Fernanda Psihas

Ψ Indiana University



Machine Learning Group

WELCOME TO OUR FIRST MEETING!

machinelearning.fnal.gov

***This is a community effort! Get involved,
bring up ideas, show your own applications!***

To discuss: Next meeting topic and scheduling

New to the Machine
Learning group?

Subscribe to our mailing list:
machinelearning@fnal.gov

Join the conversation:
[HEPMachineLearning](#) 

Announcements

DS@HEP Workshop, Fermilab, May 8–12

<https://indico.fnal.gov/conferenceDisplay.py?confId=13497>

ML in HEP Summer School, Reading June 17–23 2017

<https://indico.cern.ch/event/613571/>

Next Journal Club meeting is May 16 - check on machinelearning.fnal.gov

Next IML meeting is May 24 at 15:00 <https://indico.cern.ch/event/616790/>

Inter-experimental Machine Learning (IML) Working Group iml.cern.ch

Today's Meeting

Fermilab Machine Learning Group Meeting - Introduction to ML applications in HEP



chaired by Fernanda Psihas (Indiana University), Gabriel Perdue (Fermilab), Alexander Himmel (Fermilab), Alexander Radovic (College of William and Mary)

Thursday, May 4, 2017 from **10:00** to **11:45** (US/Central)
at **WH (One West)**

Manage ▼

Description First meeting of the Fermilab ML working group. The topics are intro talks and general discussion.

Thursday, May 4, 2017

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|---------------|---|---|
| 10:00 - 10:15 | Status and News 15'
<i>ML group status updates and relevant news.</i>
Speaker: Ms. Fernanda Psihas (Indiana University) | ▼ |
| 10:15 - 10:35 | An Introduction to Machine Learning 20'
<i>A high-level summary of machine learning for beginners.</i>
Speaker: Ms. Auralee Edelen (Colorado State University)
Material: Slides  | ▼ |
| 10:35 - 10:55 | ML Applications on MicroBooNE 20'
<i>Summary of ML Applications on MicroBooNE</i>
Speaker: Mr. Kazuhiro Terao (Nevis Laboratories, Columbia University)
Material: Slides  | ▼ |
| 10:55 - 11:15 | LHC Machine Learning 20'
<i>Summary of Machine Learning applications in LHC experiments</i>
Speaker: Ms. Michela Paganini (Yale) | ▼ |
| 11:15 - 11:30 | ML Group Discussion 15'
<i>Discussion of future meetings and plans for this working group.</i> | ▼ |